



IT4

REMOTE-CUTOFF PENTODE

MINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage. 1.4 dc volts

Current. 0.05 amp

Direct Interelectrode Capacitances:⁰Grid No.1 to plate 0.01 μmf Grid No.1 to filament (-) & grid No.3
& internal shield, and grid No.2 3.6 μmf Plate to filament (-) & grid No.3
& internal shield, and grid No.2 7.5 μmf

Mechanical:

Mounting Position Any

Maximum Overall Length 2-1/8"

Maximum Seated Length 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). . . 2" \pm 3/32" ←

Maximum Diameter 3/4"

Bulb T-5-1/2 ←

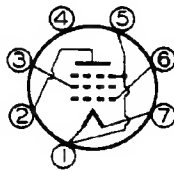
Base Small-Button Miniature 7-Pin (JETEC No.E7-1) ←

Basing Designation for BOTTOM VIEW 6AR

Pin 1-Filament (-),
Grid No.3,
Int. Shield

Pin 2-Plate

Pin 3-Grid No.2

Pin 4-No Connection-
Do Not UsePin 5-Filament (-),
Grid No.3,
Int. Shield

Pin 6-Grid No.1

Pin 7-Filament (+)

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 90 max. volts

GRID-No.2 (SCREEN) SUPPLY VOLTAGE. 90 max. volts

GRID-No.2 VOLTAGE. 67.5 max. volts

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive bias value. 0 max. volts

TOTAL CATHODE CURRENT. 5.5 max. ma

Typical Operation and Characteristics:

Plate Voltage. 45 67.5 90 90 volts

Grid-No.2 Voltage. 45 67.5 45 67.5 volts

Grid-No.1 Voltage. 0 0 0 0 volts

Plate Resistance

(Approx.). 0.35 0.25 0.8 0.5 megohm

Transconductance 700 875 750 900 μmhos

Plate Current. 1.7 3.4 1.8 3.5 ma

Grid-No.2 Current. 0.7 1.5 0.65 1.4 ma

Grid-No.1 Voltage for

transconductance of 10 μmhos -10 -16 -10 -16 volts⁰With or without external shield JETEC No.316 connected to pin No.1.

←Indicates a change.

JAN. 3, 1955

TUBE DIVISION

DATA

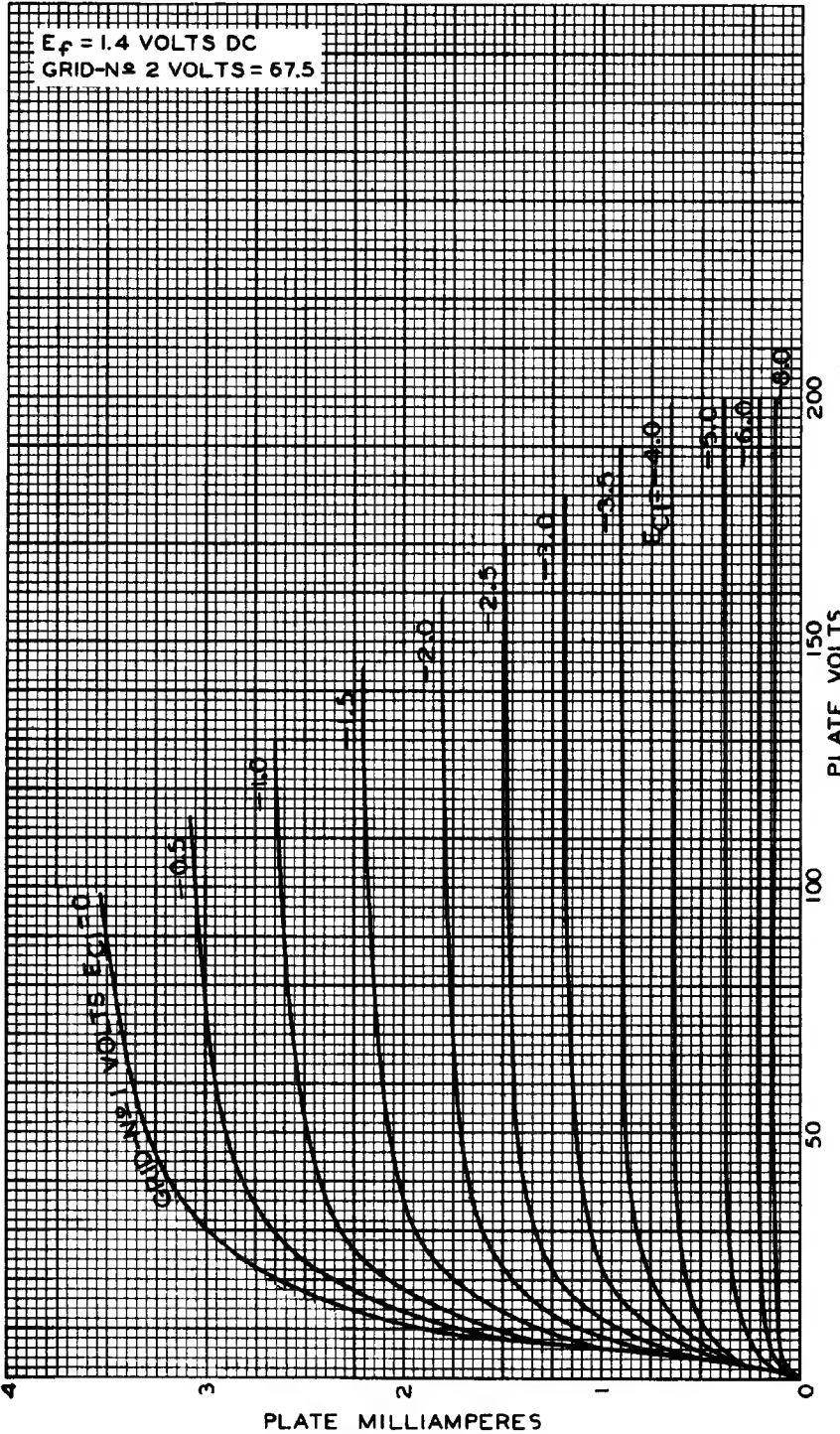
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AVERAGE PLATE CHARACTERISTICS



DEC. 27, 1954

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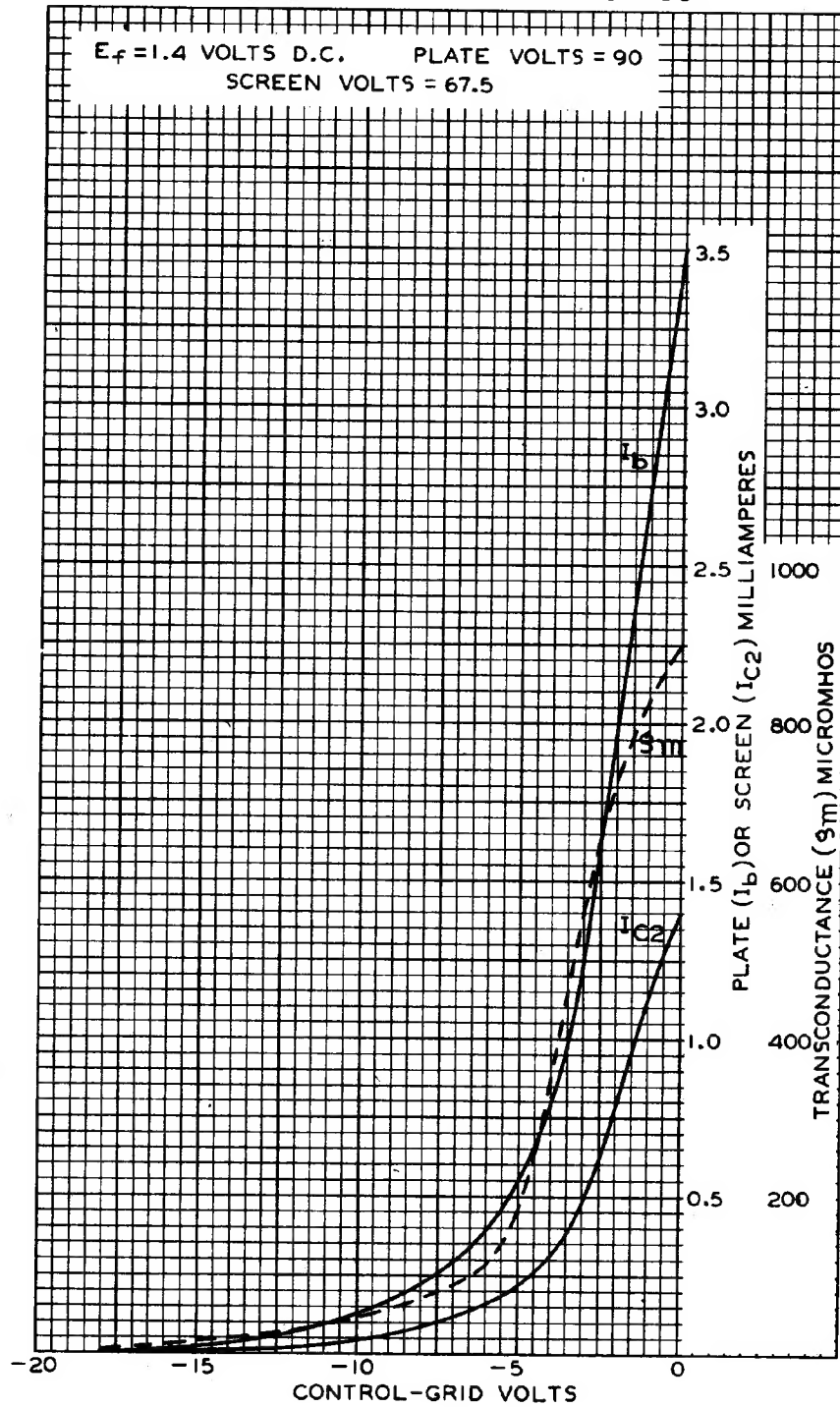
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AVERAGE CHARACTERISTICS



JAN. 24, 1942

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

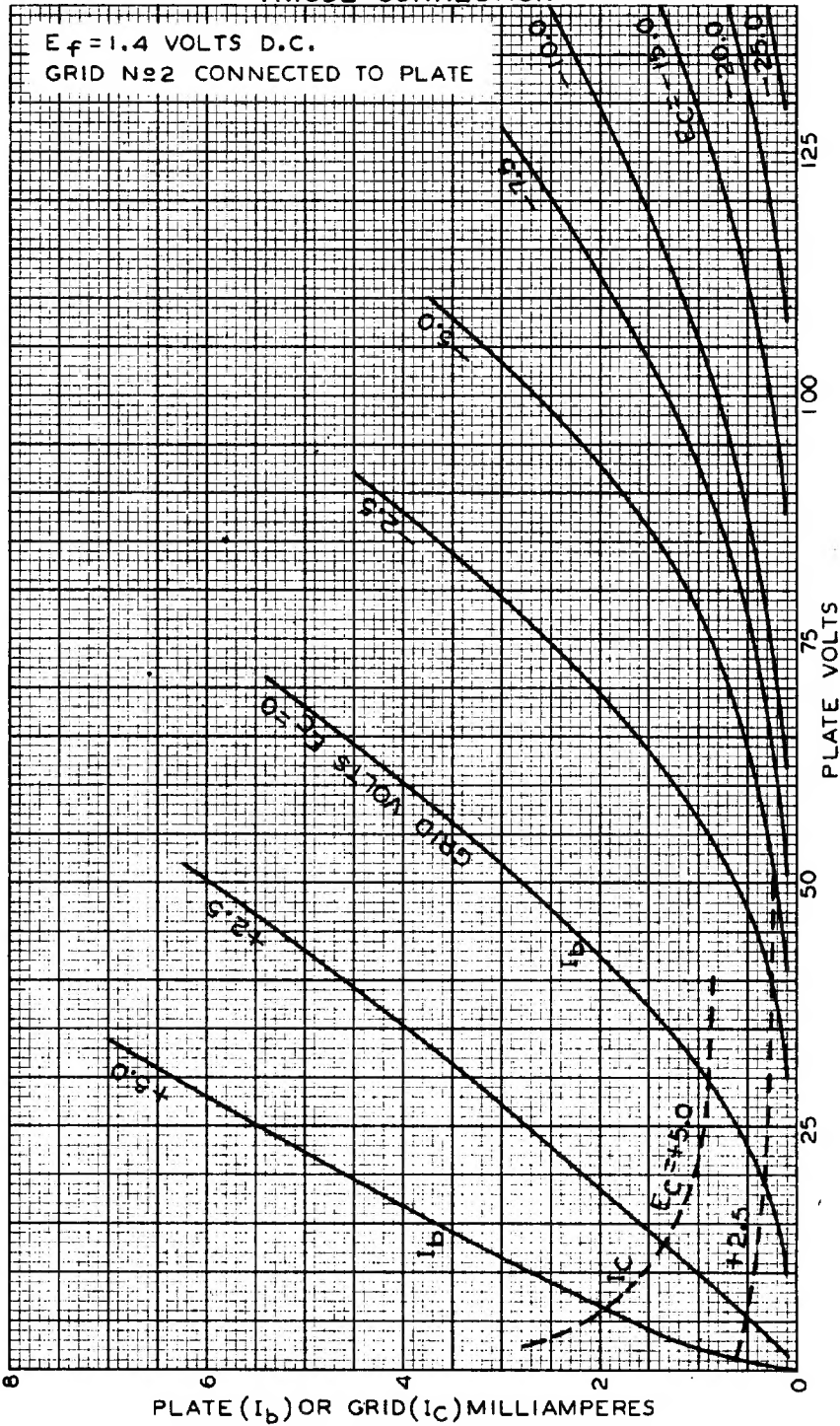
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AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION



FEB. 16, 1943

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92C-6352R1